Package ‘befproj’

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Type  Package
Title  Makes a Local Population Projection
Version  0.1.1
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Description  This is a sub national population projection model for calculating population development. The model uses a cohort component method. Further reading: Stanley K. Smith: A Practitioner's Guide to State and Local Population Projections. 2013. <doi:10.1007/978-94-007-7551-0>.
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Description
This is a Data Frame with assumptions about migrations rates, deaths and births.

Usage
data("assump_data")

Format
A data frame with 1111 observations on the following 14 variables.

age  a numeric vector
category  a factor with levels asdr_men asdr_women asfr inmig.rates.men inmig.rates.women
intermig.net.men intermig.net.women natpop.men natpop.women outmig.rates.men
outmig.rates.women
ar_1  a numeric vector
ar_2  a numeric vector
ar_3  a numeric vector
ar_4  a numeric vector
ar_5  a numeric vector
ar_6  a numeric vector
ar_7  a numeric vector
ar_8  a numeric vector
ar_9  a numeric vector
ar_10 a numeric vector
ar_11 a numeric vector
ar_12 a numeric vector

Details
This is a Data Frame that consists of assumptions and input to the population model. The Data Frame has 14 different variables under category: age specific death rates (asdr) for men and women, age specific fertility rates for women (asfr), domestic in migration and out migration rates for men and women, international in and out net migration for men and women, and the age specific national population.

Source
Umea kommun
bef_components

Examples

data(assump_data)
str(assump_data)

Description

Makes a local population projection and produce results for population components

Usage

bef_components(startpop, assumptions, YEAR)

Arguments

startpop  This is the start population
assumptions  This is a Data Frame with assumptions
YEAR  This is the year from which the forecast starts

Value

The output from return

Examples

bef_components(startpop_data,assump_data,2019)

bef_proj

Makes a local population projection and produce results for growth per year.

Description

Makes a local population projection and produce results for growth per year.

Usage

bef_proj(startpop, assumptions, YEAR)
Arguments

startpop  This is the start population
assumptions  This is a Data Frame with assumptions
YEAR  This is the year from which the forecast starts

Value

The output from return

Examples

bef_proj(startpop_data,assump_data,2019)

bef_raw  Makes a local population projection and produce results for age, sex and year

Description

Makes a local population projection and produce results for age, sex and year

Usage

bef_raw(startpop, assumptions, YEAR)

Arguments

startpop  This is the start population
assumptions  This is a Data Frame with assumptions
YEAR  This is the year from which the forecast starts

Value

The output from return

Examples

bef_raw(startpop_data,assump_data,2019)
Description

This is a Data Frame with a start population. The ages reach from 0 to 100. The start year is from 2019.

Usage

data("startpop_data")

Format

A data frame with 101 observations on the following 3 variables.

- age  a numeric vector
- women  a numeric vector
- men  a numeric vector

Source

Statistiska centralbyran, SCB, Swedish statistics

Examples

data(startpop_data)
str(startpop_data)
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